

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)
CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product
ProduitIT-Rack PDU (Power Distribution Unit)
(Modular Power Distribution System)Name and address of the applicant
Nom et adresse du demandeurLIEBERT CORP
975 Pittsburgh Drive; Delaware, Ohio 43015 USAName and address of the manufacturer
Nom et adresse du fabricantEmerson Network Power
975 Pittsburgh Drive; Delaware, Ohio 43015 USAName and address of the factory
Nom et adresse de l'usine Additional Information on page 2Note: When more than one factory, please report on page 2
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2^{ème} pageRatings and principal characteristics
Valeurs nominales et caractéristiques principales Additional Information on page 2Trademark (if any)
Marque de fabrique (si elle existe)

Liebert® MPX™

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais constructeur

N/A

Model / Type Ref.
Ref. De typeSystem: MPX0000-abcde
System components: MPXxxx-abcdefghAdditional information (if necessary may also be reported
on page 2)
Les informations complémentaires (si nécessaire,, peuvent
être indiqués sur la 2^{ème} pageThis CBTC substitutes the previously issued CBTC
Ref. Certif. No. DE9-0106, dated 2014-08-22.
 Additional Information on page 2A sample of the product was tested and found
to be in conformity with IEC
Un échantillon de ce produit a été essayé et a été
considéré conforme à la CEI

IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013

As shown in the Test Report Ref. No. which forms part of
this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

12TH0544-60950_1

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

Bureau Veritas Consumer Product Services Germany GmbH

Businesspark A96, 86842 Türkheim, Germany
www.bureauveritas.de/cps

Date: 2016-08-23

Signature: Dieter Zitzmann



Name and address of the factory
Nom et adresse de l'usine

1. Emerson Network Power Knuerr s.r.o. Nisovice 9 38701 Volyne CZECH REPUBLIC	2. Emerson Network Power Knuerr s.r.o. Maniny 500, 38701 Volyne CZECH REPUBLIC	3. Emerson Network Power Av. Industrial Reynosa Lote 12-A Reynosa Industrial Center Reynosa, Tamaulipas 88680 MEXICO
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Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

System components

Frequency (all components):	50/60 Hz
MPXPRC-abcdefgh:	max. 240/415 Vac; 63 A
MPXPEM-abcdefgh:	max. 240 Vac / 16 – 32 A, 240/415 Vac / 16 – 63 A
MPXIPC-abcdefgh:	max. 240 V / 16 – 32 A, 240/415 Vac / 16 – 63 A
MPXB RM-abcdefgh:	max. 240 Vac; max. 20 A per module/branch; max. 10 A or 16 A per outlet
MPXSPD-abcdefgh:	3/N/PE: max. 280V (L to N/PE)

Accessories

RPC-xxxx or RPC2	12 Vdc / 300 mA
RPCBDM-xxxx	12 Vdc / 30 mA

Nomenclature

System

MPX0000-abcde

abcde	property	value	description
abc	sequence	000 – 999	number
d	mounting	R	rack mounting
		V	vertical mounting
e	geogr. region	E	Europe
		N	North America
		I	International

Additional information (if necessary)
Information complémentaire (si nécessaire)



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System components

MPXxxx-abcdefgh

- xxx: system parts:

- **PRC** Power Rail Chassis; distributes intermodule power, communications and serves as the mounting base for all Liebert MPX components.
- **PEM** Power Entry Module; delivers power to the Liebert MPX and includes provisions for remote and local communication options. Detachable and fixed-input cord versions are available. The PEM module includes a switch-mode power supply circuit with SELV output (same circuit as on BRM module but different PCB layout).
- **IPC** Interconnection Power Cord; detachable input power cord required for use with MPXPEM.
- **BRM** Branch Receptacle Module; distributes overload-protected output power to user loads. Hot swappable without current flow design allows for reconfiguration with choice of receptacle type, quantities, and monitoring / control to the receptacle level. The BRM module includes a switch-mode power supply circuit with SELV output (same circuit as on PEM module but different PCB layout).
- **SPD** Surge Protective Device Module; the module contains overall 4 surge protective devices Type II according to EN 61643-11 intended to be used in coordination with SPDs Type I. Protection of 3 phases plus N. (The SPD module is used for EU models only.)

xxx	abcdefgh	property	value	description
PRC	a	mounting	R	rack mounting
			V	vertical mounting
	bcde	mounting or length	XX19	19 inch EIA (rack mounting)
			1035	length in mm
			1880	
	fg	not used	blank	unused digits of the part number max be left blank or filled with "XXX"
XXX				
PEM	a	geogr. region	E	Europe
			N	North America
			I	International
	b	supply capacity	H	fixed
			V	variable
	c	size	A	small, 220 mm
			B	standard, 266 mm
	d	communication	A	Remote PDU Card (RPC-xxxx) installed
			B	Remote PDU Card (RPC2) installed
			E	Elementary
X			no communication	

Additional information (if necessary)
Information complémentaire (si nécessaire)


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ef	input	NQ	power cord without plug; 200 – 240 V; 32 A; 1/N/PE (EU)
		NR	power cord without plug; 200 – 240/346 – 415 V; 32 A; 3/N/PE (EU)
		NS	power cord without plug; 200-240V; 16 A; 1/N/PE (EU)
		NT	power cord without plug; 200 – 240/346 – 415 V; 16 A; 3/N/PE (EU)
		XA	appliance inlet; 200 – 240/346 – 415 V; 32 A; 3/N/PE (EU); 100 – 120/173 – 208 V; 24 A; 3/N/PE (US/CA)
		XF	power cord with plug NEMA L6-30; 200 – 240 V; 24 A; 2/PE (US/CA/JP)
		XH	power cord with plug NEMA L21-30; 100 – 120/173 – 208 V; 24 A; 3/N/PE (US/CA/JP)
		XI	power cord with plug NEMA L22-30; 200 – 240/346 - 415V; 24 A; 3/N/PE (US/CA)
		XJ	power cord with plug NEMA L15-30; 200 – 240 V; 24 A; 3/PE (US/CA/JP)
		XM	power cord with plug NEMA L7-30; 200 – 240 V; 24 A; 1/N/PE (US/CA)
		XQ	power cord with plug IEC 60309; 200 – 240 V; 32 A; 1/N/PE (EU)
		XR	power cord with plug IEC 60309; 200 – 240/346 – 415 V; 32 A; 3/N/PE (EU)
		XS	power cord with plug IEC 60309; 200 – 240 V; 16 A; 1/N/PE (EU)
		XT	power cord with plug IEC 60309; 200 – 240/346 – 415 V; 16 A; 3/N/PE (EU)
		XV	power cord with plug CA-Style CS8365C; 200 – 240 V; 40 A; 3/PE (US/CA/JP)
		XW	power cord with plug IEC 60309; 100 – 120/173 – 208 V; 48 A; 3/N/PE (US/CA)
		XX	power cord with plug IEC 60309; 200 – 240 V; 48 A; 3/PE (US/CA)
		XY	power cord with plug IEC 60309; 200 – 240/346 - 415 V; 48 A; 3/N/PE (US/CA)
		XZ	power cord with plug IEC 60309; 200 – 240/346 – 415 V; 63 A; 3/N/PE (EU)
gh	power cord length	xx	length in decimeters (w/o fix power cord), max. 6 m (see examples below)
		30	3.05m (10 ft.)
		50	5m
		60	6m

Additional information (if necessary)
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IPC	a	geogr. region	E	Europe
			N	North America
			I	International
	bc	Plug Type	XC	NEMA L5-20P; 100 – 120 V; 16 A; 1/N/PE (US/CA/JP)
			XD	NEMA L5-30P; 100 – 120 V; 24 A; 1/N/PE (US/CA/JP)
			XE	NEMA L6-20P; 200 – 240 V; 16 A; 2/PE (US/CA/JP)
			XF	NEMA L6-30P; 200 – 240 V; 24 A; 2/PE (US/CA/JP)
			XG	NEMA L21-20P; 100 – 120/173 – 208 V; 16 A; 3/N/PE (US/CA/JP)
			XH	NEMA L21-30P; 100 – 120/173 – 208 V; 24 A; 3/N/PE (US/CA/JP)
			XI	NEMA L15-20P; 200 – 240 V; 16 A; 3/PE (US/CA/JP)
			XJ	NEMA L15-30P; 200 – 240 V; 24 A; 3/PE (US/CA/JP)
			XK	NEMA L14-20P; 100 – 120/200 – 240 V; 16 A; 2/N/PE (US/CA/JP)
			XL	NEMA L14-30P; 100 – 120/200 – 240 V; 24 A; 2/N/PE (US/CA/JP)
			XM	NEMA L22-30P; 200 – 240/346 – 415 V; 24 A; 3/N/PE (US/CA)
			XQ	IEC 60309; 200 – 240 V; 32 A; 1/N/PE (EU)
XR	IEC 60309; 200 – 240/346 – 415 V; 32 A; 3/N/PE (EU)			
XT	IEC 60309; 200 – 240/346 – 415 V; 16 A; 3/N/PE (EU)			
de	cord length	xx	length in decimeters, max. 3 m (see examples below)	
		30	3,05 m/10 ft (length in decimeters)	
fgh	not used	XXX		
BR M	a	geogr. region	E	Europe
			N	North America
			I	International
	b	type	B	Branch monitoring
			R	Receptacle management
			E	Elementary
	c	size	A	small, 220 mm
			B	standard, 266 mm
			C	standard w/ tamper-proof screws
	d	ratings	A	100 – 120 V; 16 A; 1/N/PE
			B	208 V; 16 A; 2/PE
			C	200 – 240 V; 20 A; 1/N/PE
			D	200 – 240 V; 16 A; 2/PE
E			100 – 120 V; 20 A; 1/N/PE	
F			240 V; 16 A; 1/N/PE	
G			200 – 240 V; 20 A; 1/N/PE	
H	200 – 240 V; 5 A; 1/N/PE; with fuse			
I	200 – 240 V; 32 A; 1/N/PE			
J	346 – 415 V; 32 A; 3/N/PE			
S	SFA (special feature authorization)			

Additional information (if necessary)
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	e	no. of outputs	1..9	number of receptacles
	f	receptacle type	A	NEMA 5-20R
			B	NEMA L5-20R
			C	reserved
			D	NEMA L6-20R
			E	reserved
			F	reserved
			G	reserved
			H	reserved
			I	reserved
			J	reserved
			K	reserved
			L	reserved
			M	IEC60320-C13+C19 mix
			N	IEC C13 sheet F (IEC 60320); 10 A (EU) 12 A (NA)
			O	IEC C19 sheet J (IEC 60320)
			P	CEE-7 Type F (Schuko)
			Q	CEE 1x 32 A
			R	CEE 3x 32 A
			S	SEV 1011 Type 23 (Swiss)
T	BS 1363 Type G (British)			
U	GST18			
gh	phase configuration	1N; 2N; 3N	L1-N; L2-N; L3-N	
		12; 23; 31	L1-L2; L2-L3; L3-L1	
		XN	User-configurable L-N	
		XX	User-configurable L-L	
		N3	Line 1, 2, 3-Neutral	
SPD	a	geogr. region	E	Europe
			N	(reserved for future use)
	bcdefgh	type	0000001	Type 2, 4P + PE

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Accessories

- RPC-xxxx or RPC2 Rack PDU (Power Distribution Unit) Card
Optional network interface card to manage and monitor power distribution to connected equipment; installed in MPXPEM communication card slot. Allows interconnection for multiple MPXs and management from a single network connection. Also different sensors can be connected, to measure temperature, humidity etc. Testing of RPC-xxxx/RPC2 is included in this report as part of the PEM module; RPC-xxxx/RPC2 is connected to the SELV output of PEM.
- RPCBDM-xxxx Basic Display Module (for use with RPC-xxxx/RPC2)
Optional LCD for local monitoring of Liebert MPX units.
Cord-connected, allowing user to access rack mounting location and different other information.
RPCBDM 1000 is UL approved (cULus E147888; NWGQ)

xxxx: version/revision (1000 for this report)

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